

ABSTRACT OF THE DISCLOSURE

From received digital signals and a reference signal, a response vector computing unit computes a received response vector as a received response characteristic of the received signals against a transmission signal. The received response vector computed by the response vector computing unit is stored in a desired terminal response vector table. A virtual response vector for a virtual interception terminal apparatus is stored in a virtual intercepting terminal response vector table. A transmission weight vector computing unit computes a transmission weight vector necessary for weighting a transmission information signal from the received response vector and the virtual response vector, using a Wiener solution. A multiplication unit weights the transmission information signals with the respective transmission weight vectors so as to output transmission digital signals.